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Mobile Power Pack (UPB10) User's Manual

Introduction

Thank you for purchasing APC's 10Whr Mobile Power Pack (UPB10). The UPB10 is a rechargeable battery pack that is ideal for powering and charging iPods, MP3 players, mobile phones and portable gaming systems via USB Charging Cables.

This user manual provides operating instructions for the UPB10. Please read the entire user manual prior to use. Register this purchase online at www.apc.com.

Features

- Slim, lightweight Lithium Polymer design
- Four LED status indicators
- Compatible with APC's TravelPower Adapter and Universal Power products (for charging)
- Up to 8 Watts continuous power and 10 Watts peak power output

Inspection

Check the package contents for the following items:

- 10Whr Mobile Power Pack (UPB10)
- USB Mini-B Cable
- User's Manual
- 5-Volt, 1-Amp AC-to-USB Power Adapter

If any item listed above is not in the package, please contact APC Customer Service at 800-800-4APC for further assistance.

Safety Precautions

Please read the following warnings carefully before using the UPB10. Use the product according to the procedures described in this manual.

WARNINGS

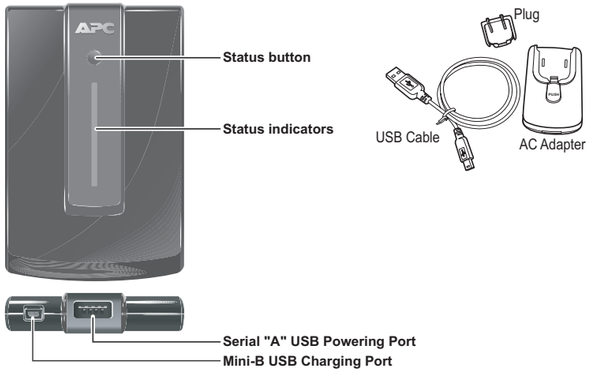
- Do not attempt to disassemble any part of this product.
- Store and operate between -20 to 60°C (-4 to 140°F) and 0 to 45°C (32 to 113°F) respectively, as this will extend product life and prevent damage to the product.
- Do not allow this product to have contact with water or other liquids. If water or other liquids enter the battery interior, immediately unplug the product from any attached power source or device. Continued use of the product may result in fire or an electrical shock.
- Do not handle this product if hands are wet, as this may cause an electrical shock.
- Do not place this product near a heat source or expose the battery to direct flame or heat, as the battery may explode.

Note: Failure to comply with any warning contained in this manual may result in personal injury, death, and/or equipment damage.

Prior to Use

Before using the UPB10, the Mobile Power Pack should be fully charged. Please see the following instructions on how to use and maintain the UPB10.

Product Components



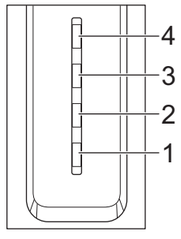
❶ Charging the UPB10

You can charge the UPB10 using any of the following methods:

- **Using the AC Power Adapter:** Attach the appropriate outlet plug to the adapter before connecting it to a power outlet for charging the UPB10 battery pack. Connect the USB cable provided to the AC power adapter and plug the adapter into a wall outlet. Connect the mini-B connector to the UPB10 battery pack.
- **Using your notebook or PC:** Charge the UPB10 battery pack through your notebook or desktop PC by connecting it with the USB power cable to a USB port and the Mobile Power Pack .
- **Using the APC Universal Power Adapter:** Connect the UPB10 battery pack to an APC power adapter via the USB power port. Refer to the documentation provided with the adapter for more information.

Checking the Charging Status

The charging status of the UPB10 battery pack is indicated by the LED status indicators. If the indicators are flashing, this indicates that the battery pack is being charged. The LED status indicators will light up sequentially as each level of charge is reached (see table below). Continue charging until the four white indicators are lit together and then turned off which indicates that the battery pack is fully charged.



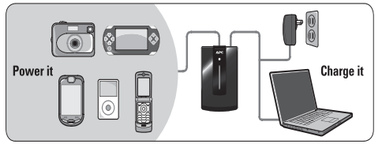
LED Status Indicators		During Charging
Flashing	Light	
1	–	Less than 25%
2	1	25 ~ 55%
3	1, 2	55 ~ 85%
4	1, 2, 3	85 ~ 100%
–	1, 2, 3, 4 (then turned off)	Fully charged

When using the battery pack for the first time, charge the UPB10 battery pack fully before use.

When the status indicators show the UPB10 is fully charged, the battery pack is ready to be used.

❷ Powering Devices

Use an appropriate USB charging cable to power devices such as iPods, MP3 players, mobile phones, PDAs and portable gaming systems. Connect the USB cable to the USB output port on the battery pack and the other end of the cable to the device that needs to be powered.



❸ Turning On the UPB10

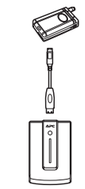
If the UPB10 battery pack has not been used (charging or discharging) for a period of more than 15 minutes, it automatically enters sleep mode to conserve charge. To turn the battery pack on, press the **Status** button for 1 second and release it. The status indicators light up, indicating that the battery pack is awake.

❹ Checking the UPB10 Status

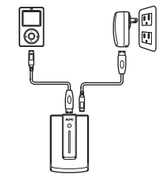
You can check the battery charge status on the UPB10 at any time. Press the Status button for 1 second and release it to display the charge status. The LED status indicators will light up to display the remaining charge level. The number of LEDs that light up indicate the level of charge as described in the following table:

Status indicators lit	During Discharge
1, 2, 3, 4	85 ~ 100%
1, 2, 3	55 ~ 85%
1, 2	25 ~ 55%
1	Less than 25%
All LEDs off	Fully Depleted

Typical Connection Diagram



Typical Connection



Typical Pass-through Connection

Note: USB Charging cables (sold separately) are required to charge your device. APC recommends the use of APC USB Charging cables to ensure compatibility. Please check mobilecomputing.apc.com for the latest list of USB Charging Cables.

Specifications

Item	Specification
Capacity	10 Watt-hours
Output Power	8 Watts Maximum Continuous Power 10 Watts Peak Power - short duration
Output Voltage	5V
Input Power Source	Charges from included AC power adapter, PC USB port, or APC Universal Power products.
Capacity Indication	4 white LEDs
Charge time	Recharges to 100% in 3.5 hours.
Size	100 mm x 65 mm x 13.7 mm
Weight	105g
Environmental	Storage: -20 to 60°C (-4 to 140°F) Operation: 0 to 45°C (32 to 113°F)
Agency Approvals	CE, FCC, C-Tick, VCCI ***Note:*** This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference which may cause undesired operation.

Troubleshooting

Problem	Possible Cause	Corrective Action
Press UPB10 status button but the indicators does not light up.	UPB10 is fully drained	Charge the UPB10 using one of the three methods that are described under "Charging the UPB10"
UPB10 does not charge the device.	1. The UPB10 may have entered the Auto Sleep Mode. 2. The power consumption of the device may be greater than 8W.	1. Press the Status button for 1 second, then release. The status indicators will illuminate and the battery will resume power output. If no indicators are lit, recharge the UPB10. 2. Check the power specification of the device before charging with the UPB10.
My device does not charge when I connect the manufacturer's USB cable to the UPB10.	1. The UPB10 may have entered the Auto Sleep mode. 2. The manufacturer's USB cable may not support charging functionality.	1. Press the Status button for 1 second, then release. The status indicators will illuminate and the battery will resume power output. If no indicators are lit, recharge the UPB10. 2. APC recommends the use of APC USB Charging Cables to ensure compatibility. Please check mobilecomputing.apc.com for the latest list of USB Charging Cables.
I don't get as many hours of runtime as I expected with the UPB10.	Some devices may see the UPB10 as a utility power source and turn on the LCD backlight.	Check the LCD setting for your device. Change the LCD backlight setting to "off" or reduce the length of time it will illuminate to extend your runtime.
Device can't be charged by using pass through function.	Device requires higher input voltage or power.	1. Disconnect AC adapter. 2. Charge the device using the UPB10 only.

Recycling, Storage, and Battery Life

The UPB10 battery pack should be disposed of properly. Please do not dispose in trash receptacles or incinerate. For information about APC's battery recycling program, visit: mobilecomputing.apc.com.

For best results, do not store the UPB10 where there is excessive heat or cold, as such environments can damage the battery pack and reduce battery life. If storing the UPB10 for an extended period, completely discharge and recharge the unit before the next use. This can be done by attaching the UPB10 to a USB-powered device and waiting until the battery is fully discharged. The UPB10 is fully discharged when all four status indicators are off during use. Using any of the charging techniques, continue charging the UPB10 completely until all status indicators are extinguished. For best results, the UPB10 should be fully discharged and recharged once every 3 months. This will condition the cells inside the battery back to ensure the UPB10 delivers the most capacity available.

Contact Information

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Limited Warranty

APC warrants its products to be free from defects in materials and workmanship under normal use and service for one (1) year from the date of purchase for the original purchaser. Its obligation under this warranty is limited to repairing or replacing, as its sole option, any such defective products. To obtain service under warranty, you must obtain a Returned Material Authorization (RMA) number from APC or an APC Service Center with transportation charges prepaid and must be accompanied by a brief description of the problem and proof of date and place of purchase. This warranty applies only to the original purchaser.

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